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1 [Kernel-based discriminative learning algorithms for labeling sequences, trees, and graphs](#)



[Hisashi Kashima](#), [Yuta Tsuboi](#)

July I CML '04: Proceedings of the twenty-first international conference on 2004 Machine learning

Publisher: ACM

Full text available: Pdf (324.75 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 52, Citation Count: 0

We introduce a new perceptron-based discriminative learning algorithm for labeling structured data such as sequences, trees, and graphs. Since it is fully kernelized and uses pointwise label prediction, large features, including arbitrary number of hidden ...

2 [Extending Java for high-level Web service construction](#)



[Aske Simon Christensen](#), [Anders Møller](#), [Michael I. Schwartzbach](#)

November Transactions on Programming Languages and Systems 2003 (TOPLAS) , Volume 25 Issue 6

Publisher: ACM

Full text available: Pdf (947.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 133, Citation Count: 22

We incorporate innovations from the <bigwig> project into the Java language to provide high-level features for Web service programming. The resulting language, JWIIG, contains an advanced session model and a flexible mechanism for dynamic construction ...

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Keywords: Interactive Web services, XML, data-flow analysis

3 [Anatomy of a native XML base management system](#)

[T. Fiebig](#), [S. Helmer](#), [C.-C. Kanne](#), [G. Moerkotte](#), [J. Neumann](#), [R. Schiele](#), [T. Westmann](#)

December The VLDB Journal — The International Journal on Very Large
2002 Data Bases , Volume 11 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (300.97 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 142, Citation Count: 25

Several alternatives to manage large XML document collections exist, ranging from file systems over relational or other database systems to specifically tailored XML base management systems. In this paper we give a tour of Natix, a database management ...

Keywords: Database, XML


4 [Lessons learned in modeling schizophrenic and depressed responsive virtual humans for training](#)



[Robert C. Hubal](#), [Geoffrey A. Frank](#), [Curry I. Guinn](#)

January IUI '03: Proceedings of the 8th international conference on Intelligent
2003 user interfaces

Publisher: ACM

Full text available:  Pdf (355.06 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 63, Citation Count: 3

This paper describes lessons learned in developing the linguistic, cognitive, emotional, and gestural models underlying virtual human behavior in a training application designed to train civilian police officers how to recognize gestures and verbal cues ...

Keywords: agents, behavior modeling, interaction skills training, managing encounters with the mentally ill, responsive virtual humans


5 [The connectivity sonar: detecting site functionality by structural patterns](#)



[Einat Amiray](#), [David Carmel](#), [Adam Darlow](#), [Ronny Lempel](#), [Aya Soffer](#)

August HYPERTEXT '03: Proceedings of the fourteenth ACM conference on
2003 Hypertext and hypermedia

Publisher: ACM

Full text available:  Pdf (153.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 77, Citation Count: 22

Web sites today serve many different functions, such as corporate sites, search engines, e-stores, and so forth. As sites are created for different purposes, their structure and connectivity characteristics vary. However, this research argues that sites ...


Keywords: link analysis, web IR, web graphs

6 [Composable ad hoc location-based services for heterogeneous mobile clients](#)

[Todd D. Hodes](#), [Randy H. Katz](#)

October 1999 *Wireless Networks* , Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (403.18 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 113, Citation Count: 8

7 [Dependency Parsing with an Extended Finite-State Approach](#)

[Kemal Oflazer](#)

December 2003 *Computational Linguistics* , Volume 29 Issue 4

Publisher: MIT Press

Full text available:  Pdf (489.56 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 57, Citation Count: 5



This article presents a dependency parsing scheme using an extended finite-state approach. The parser augments input representation with "channels" so that links representing syntactic dependency relations among words can be accommodated and iterates ...

8 [Experiments in parallel-text based grammar induction](#)

[Jonas Kuhn](#)

July 2004 *ACL '04: Proceedings of the 42nd Annual Meeting on Association for Computational Linguistics*

Publisher: Association for Computational Linguistics

Full text available:  Publisher Site ,  Pdf (113.43 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 18, Citation Count: 1

This paper discusses the use of statistical word alignment over multiple parallel texts for the identification of string spans that cannot be constituents in one of the languages. This information is exploited in monolingual PCFG grammar induction for ...


9 [Tool support for refactoring functional programs](#)



[Huqing Li](#), [Claus Reinke](#), [Simon Thompson](#)

August 2003 *Haskell '03: Proceedings of the 2003 ACM SIGPLAN workshop on Haskell*

Publisher: ACM

Full text available:  Pdf (156.41 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 85, Citation Count: 6

Refactorings are source-to-source program transformations which change program structure and organisation, but not program functionality. Documented in catalogues and supported by tools, refactoring provides the means to adapt and improve the design ...

Keywords: Haskell, language-aware programming environments, program transformation, refactoring, semantic editors

10 [The design of a configurable, extensible and dynamic notification service](#)



[Roberto S. Silva Filho, Cleidson R. B. de Souza, David F. Redmiles](#)

June 2003 DEBS '03: Proceedings of the 2nd international workshop on Distributed event-based systems

Publisher: ACM

Full text available: [Pdf](#) (118.25 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 58, Citation Count: 6

Publish/subscribe infrastructures, specifically notification servers, are used in a large spectrum of distributed applications as their basic communication and integration infrastructure. With their recent popularization, notification servers are being ...

Keywords: dynamic architecture, event-based middleware, notification servers, pluggable architecture

11 [Toward Characterizing the Performance of SOAP Toolkits](#)

[Madhusudhan Govindaraju, Aleksander Slominski, Kenneth Chiu, Pu Liu, Robert van Engelen, Michael J. Lewis](#)

November 2004 GRI D '04: Proceedings of the 5th IEEE/ACM International Workshop on Grid Computing

Publisher: IEEE Computer Society

Full text available: [Pdf](#) (215.04 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 12, Citation Count: 4

The SOAP protocol underpins Web services as the standard mechanism for exchanging information in a distributed environment. The XML-based protocol offers advantages including extensibility, interoperability, and robustness. The merger of Web services ...

Keywords: Grid Computing, Web Services, SOAP, Scientific Computing, Communication Performance

12 [XML linking](#)



[Steven J. DeRose](#)

December 1999 Computing Surveys (CSUR) , Volume 31 Issue 4es

Publisher: ACM

Full text available: [Pdf](#) (154.81 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 81, Citation Count: 5

13 [Principled design of the modern Web architecture](#)



[Roy T. Fielding, Richard N. Taylor](#)

May Transactions on Internet Technology (TOIT), Volume 2 Issue 2
2002

Publisher: ACM

Full text available: [Pdf](#) (335.47 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 59, Downloads (12 Months): 514, Citation Count: 15

The World Wide Web has succeeded in large part because its software architecture has been designed to meet the needs of an Internet-scale distributed hypermedia application. The modern Web architecture emphasizes scalability of component interactions, ...

Keywords: Network-based applications, REST, World Wide Web

14 [Optimizing view queries in ROLEX to support navigable result trees](#)

[P. Bohannon, S. Ganguly, H. F. Korth, P. P. S. Narayan, P. Shenoy](#)

August VLDB '02: Proceedings of the 28th international conference on Very Large Data Bases

Publisher: VLDB Endowment

Full text available: [Pdf](#) (205.70 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 24, Citation Count: 0

An increasing number of applications use XML data published from relational databases. For speed and convenience, such applications routinely cache this XML data locally and access it through standard navigational interfaces such as DOM, sacrificing ...

15 [Algorithms and programming models for efficient representation of XML for Internet applications](#)



[Neel Sundaresan, Reshad Moussa](#)

April WWW '01: Proceedings of the 10th international conference on World Wide Web

Publisher: ACM

Full text available: [Pdf](#) (352.97 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 61, Citation Count: 7


Keywords: DOM, SAX, WBXML, XML, compression

16 [An efficient and lightweight embedded Web server for Web-based network element management](#)

[Hong-Taek Ju](#), [Mi-Joung Choi](#), [James W. Hong](#)

September 2000 International Journal of Network Management , Volume 10 Issue 5

Publisher: John Wiley & Sons, Inc.

Full text available:  Pdf (428.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 85, Citation Count: 1

An Embedded Web Server (EWS) is a Web server which runs on an embedded system with limited computing resources to serve embedded Web documents to a Web browser. By embedding a Web server into a network device, it is possible to provide a Web‐based ...


17 [Information access in the presence of OCR errors](#)



[Kazem Taghva](#), [Thomas Nartker](#), [Julie Borsack](#)

November 2004 HDP '04: Proceedings of the 1st ACM workshop on Hardcopy document processing

Publisher: ACM

Full text available:  Pdf (139.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 69, Citation Count: 1

Over the last 15 years, the Information Science Research Institute (ISRI) at the University of Nevada, Las Vegas (UNLV) has conducted information access research in the presence of OCR errors. Our research has focused on issues associated with the construction ...

Keywords: categorization, document conversion, information extraction, markup

18 [Effective support of simulation in computer architecture instruction](#)



[Christopher T. Weaver](#), [Eric Larson](#), [Todd Austin](#)

May 2002 WCAE '02: Proceedings of the 2002 workshop on Computer architecture education: Held in conjunction with the 29th International Symposium on Computer Architecture

Publisher: ACM

Full text available:  Pdf (395.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 40, Citation Count: 4


The use of simulation is well established in academic and industry research as a means of evaluating architecture trade-offs. The large code base, complex architectural models, and numerous configurations of these simulators can consternate those just ...

19 [WHAT: an XSLT-based infrastructure for the integration of natural language processing components](#)

[Ulrich Schäfer](#)

May 2003 SEALTS '03: Proceedings of the HLT-NAACL 2003 workshop on Software engineering and architecture of language technology systems - Volume 8 , Volume 8

Publisher: Association for Computational Linguistics

Full text available:  Pdf (158.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 19, Citation Count: 1

The idea of the Whiteboard project is to integrate deep and shallow natural language processing components in order to benefit from their synergy. The project came up with the first fully integrated hybrid system consisting of a fast HPSG parser that ...


20 [aTool: creating validated XML documents on the fly using MS word](#)



[Oliver Meyer](#)

October 2002 SI GDOC '02: Proceedings of the 20th annual international conference on Computer documentation

Publisher: ACM

Full text available:  Pdf (239.02 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 29, Citation Count: 2

This paper describes aTool, an extension to Microsoft's Word to create XML documents. aTool has been developed in a joint project of the publisher Springer Verlag, Technical University of Munich (TUM), and Technical University of Aachen (RWTH). It has ...

Keywords: A-Posteriori Integration, DOM, Microsoft Office, Microsoft Word, Microsoft Word Add-In, XML, character formatting

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